

Table 1

TRENDS IN THE MACROINVERTEBRATE EVALUATION OF THE TC/TC WATERSHED

Data Source-- Monroe County Pln. Comm., Pocono Lk Preserve, & TC/TC Watershed Assoc surveys
6/19/2013

		BIOTIC ASSESSMENT SUMMARY																															
		SCORING: (Maximum is 30)																															
		Optimal >25																															
		Slight Impairment 25-20																															
		Moderate Impairment 19-16																															
		Severe Impairment <16																															
STREAM	YEAR:	SCORE												ASSESSMENT																			
	2012 ID:	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
TOBYHANNA:																																	
<10 sq miles:																																	
Frame Cabin Run	FCR-1	28	22	30	26	28	30	28	30	28	30	30	28	30	28	--	26	Opt	SI Imp	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	--	Opt		
Pollys Run	POLY-1	--	--	--	--	28	28	28	28	26	26	26	26	26	--	--	--	--	--	--	--	Opt	Opt	Opt	Opt	Opt	Opt	Opt	--	--			
Two Mile Run	TMR-1	--	--	--	--	--	--	26	28	30	28	28	28	28	--	30	--	--	--	--	--	--	Opt	Opt	Opt	Opt	Opt	Opt	--	Opt			
>10 sq miles:																																	
Upstream Mill Pond	TOBY-19																																
Upstream Coolbaugh STP	TOBY-20																																
Upstream Pollys Run	TOBY-1A																																
Upstream Hummler Run	TOBY-1B																																
Warnertown Bridge	TOBY-1	18	14	20	24	22	26	26	22	28	22	26	28	26	22	26	26	M Imp	Sev Imp	SI Imp	SI Imp	SI Imp	Opt	Opt	SI Imp	Opt	Opt	Opt	Opt	Opt			
Upstrm Pocono Lake	TOBY-3	28	24	26	26	26	26	28	26	28	--	26	26	26	26	--	24	Opt	SI Imp	Opt	Opt	Opt	Opt	Opt	Opt	Opt	--	Opt	Opt	Opt	Opt		
Below Deep Run	PLP-4			23		26	22	22	--	--	18	22	--	--	--	--	--	--	--	SI Imp	--	Opt	SI Imp	SI Imp	--	--	M Imp	SI Imp	--	--			
Below Davey Run	PLP-5			26		26	26	22	--	--	24	22	--	--	--	--	--	--	--	Opt	--	Opt	SI Imp	SI Imp	--	--	SI Imp	SI Imp	--	--			
0.5 mi below Dam	PLP-X																	--	--	--	--	--	--	--	--	--	SI Imp	SI Imp	--	--			
Above Rt 115	TOBY-5	26	26	26	26	20	26	20	24	26	24	26	22	18	22	22	24	Opt	Opt	SI Imp	Opt	SI Imp	Opt	SI Imp	SI Imp	Opt	SI Imp	Opt	SI Imp	M Imp	SI Imp		
Above Drm Mi Fish Cl	TOBY-6	24	22	26	26	24	24	26	22	24	24	22	22	26	22	--	26	--	SI Imp	Opt	Opt	SI Imp	SI Imp	Opt	SI Imp	SI Imp	SI Imp	SI Imp	SI Imp	Opt			
UPPER TUNKHANNOCK:																																	
<10 sq miles:																																	
Red Run	REDRU-3	--	--	--	--	26	24	22	24	22	22	16	20	24	18	22	--	--	--	--	--	--	Opt	SI Imp	SI Imp	SI Imp	SI Imp	SI Imp	M Imp	SI Imp	SI Imp	M Imp	SI Imp
Clear Run	CLEAR-1																																
Duck Puddle Run	DUPURU																																
Hawkey Run E of Rt. 380	HAWK-2	22	24	28	24	26	--	--	26	24	20	24	28	--	24	--	24	SI Imp	SI Imp	Opt	SI Imp	Opt	--	--	Opt	SI Imp	SI Imp	Opt	--	SI Imp	SI Imp	SI Imp	
Hawkey Run W of Rt. 380	HAWK-1	24	20	22	22	26	22	12	--	20	14	24	12	16	24	--	26	SI Imp	SI Imp	SI Imp	SI Imp	Opt	SI Imp	Sev Imp	--	SI Imp	Sev Imp	SI Imp	Sev Imp	M Imp	SI Imp	Opt	
Poc Sum Crk E of Rt. 380	PSC-1	--	14	18	14	10	10	14	--	--	--	--	--	--	--	--	--	--	--	Sev Imp	M Imp	Sev Imp	Sev Imp	Sev Imp	Sev Imp	--	--	--	--	--	--		
Poc Sum Crk W of Rt. 380	PSC-2	--	--	--	--	--	--	18	22	16	18	22	14	18	16	--	--	--	--	--	--	--	--	M Imp	SI Imp	M Imp	SI Imp	Sev Imp	M Imp	M Imp	M Imp	--	
Beaver Ck. @ Up Tunk	BEAV-1	28	28	28	28	30	26	26	28	26	30	26	28	26	--	--	--	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt		
>10 sq miles:																																	
Upstrm Lake Naomi	UTC-1	26	24	26	26	--	28	--	--	28	--	--	--	--	26	20	--	Opt	SI Imp	Opt	Opt	--	Opt	--	--	Opt	--	--	--	Opt	SI Imp		
Upstrm Pocono Lake	UTC-2a	--	--	--	26	26	24	26	24	26	26	20	26	22	22	--	26	--	--	--	--	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt		
TUNKHANNOCK:																																	
1/2 mi abv Hyspie Gap Br	TUNK-2	20	18	19	24	28	20	24	22	24	24	26	22	26	20	--	--	SI Imp	M Imp	M Imp	SI Imp	Opt	SI Imp	SI Imp	SI Imp	SI Imp	SI Imp	SI Imp	SI Imp	SI Imp	SI Imp		
Above Rt 115 Bridge	TUNK-4	30	28	26	26	28	30	28	28	28	28	30	26	28	28	26	22	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt		

Results in red indicate a quality problem.

From Monroe County Water Quality Study -- sampled using a 500mic. 16' D-frame net (ICE Sampling Protocol)

Table 2 COMPONENT TRENDS IN THE MACROINVERTEBRATE EVALUATION OF THE TC/TC WATERSHED 1997 thru 2012 Data -- Monroe County Pln. Comm., Pocono Lk Preserve, & TC/TC Watershed Assoc surveys

Table with columns for STREAM, 12 ID, TOTAL TAXA, % EPT TAXA, HBI, % INTOLERANT, % NON INSECT, and % SHREDDERS. Rows include TOBYHANNA, UPPER TUNKHANNOCK, and TROUT CREEK.

Results in red are outside the desirable range. From Monroe County Water Quality Study -- sampled using a 500mic. 16' D-frame net (ICE Sampling Protocol)

TROUT CREEK data table showing metrics for Dwnstr Arrowhd Lk dam and Upstrm Arrowhd Lk across various years.